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ceived cash for the sales made. If not, the agent turns over the debits and credits and if the accounts can be collected it is all the same.

The company came out as follows:

When the agent began,	Assets
Cash.....	\$50.23
Goods.....	\$31.67
Total.....	\$81.90

Loss, \$89.71—\$81.90=\$7.81.

Also solved by *Hon. J. H. DRUMMOND.*

26. Proposed by **E. S. LOOMIS, A. M., Ph. D., Professor of Mathematics, Baldwin University, Berea, Ohio.**

You say, "While treating of the pronunciation of those who minister in public, two other words occur to me which are commonly mangled by our clergy. One of *these* (*A*) is 'covetous,' and its substantive 'covetousness.' I hope some who read *these lines* will be induced to leave off pronouncing *them* (*B*) 'covetious' and 'covetiousness.' I can assure *them* (*C*) that when *they* (*D*) do thus call *them* (*E*), one at least of *their* (*F*) hearers has his appreciation of *their* (*G*) teaching disturbed."

The problem now is, in how many ways can this above quotation be (read or) understood, by supposing various antecedents to the pronouns as per table.

The pronouns	Nouns to which they apply.	No. of nouns.
(<i>A</i>) these	Words, or clergy.	2
(<i>B</i>) them	Words, clergy, readers, or lines.	4
(<i>C</i>) them	Words, clergy, readers, or lines.	4
(<i>D</i>) they	Words, clergy, readers, or lines.	4
(<i>E</i>) them	Words, clergy, readers, or lines.	4
(<i>F</i>) their	Words, clergy, readers, or lines.	4
(<i>G</i>) their	Words, clergy, readers, lines, or hearers.	5

Solution by **Hon. JOSIAH H. DRUMMOND, Portland, Maine.**

"These" (*A*) may apply to 2; hence two readings: to each of these two, "them" (*B*) gives four readings: so that we have, $2 \times 4 = 8$ readings and so on through the paragraph and the whole number of readings will be the continued product of $2 \times 4 \times 4 \times 4 \times 4 \times 4 \times 5 = 10240$.

[Note.—The above problem with a solution may be found in *Bardeen's Complete Rhetoric*, page 415. Ed.]

27. Proposed by **F. P. MATZ, M. Sc., Ph. D., Professor of Mathematics and Astronomy in New Windsor College, New Windsor, Maryland.**

A and *B* buy a ship for $S = \$80000$, of which *A* has the a/b th = $\frac{2}{3}$, and *B* the c/d th = $\frac{1}{3}$, interest. They sell *C* the m/n th = $\frac{1}{2}$ interest for $P = \$40000$; and then agree that *A* should retain the p/q th = $\frac{7}{8}$, and *B* the r/s th = $\frac{1}{8}$, interest. How is the purchase-money received from *C* to be divided between *A* and *B*?

I. Solution by the PROPOSER.

Obviously *A* sold to *C* the m/n th of the a/b th part, = $\frac{1}{3}$ part, of the ship; and *B* sold to *C* the m/n th of the c/d th part, = $\frac{1}{3}$ part, of the ship. Before entering upon their agreement specified in the problem, *A*'s part of the purchase-money received from *C* would have been (a/b) of $\$P = \25000 ; and *B*'s part would have been (c/d) of $\$P = \15000 . In order to possess himself of